PROJECT DESCRIPTION	EQUIPMENT LIST "A"			EQUIPMENT LIST "B"
GENERAL	A FOLIDMENT TO BE CURRETED BY THE CHA	B FOLLIPMEN	IT TO BE FURNISHED A	AND/OR INSTALLED BY THE CONTRACTOR
	A. EQUIPMENT TO BE SUPPLIED BY THE SHA ITEM NO. QUANTITY DESCRIPTION	ITEM NO.	QUANTITY	DESCRIPTION
THIS PROJECT INVOLVES THE INSTALLATION OF A PEDESTRIAN ACTIVATED HAZARD IDENTIFICATION BEACON AND SMART PAD DETECTABLE WARNING SURFACE AT THE INTERSECTION OF MD 147 (HARFORD ROAD) AND GARNET ROAD IN BALTIMORE COUNTY, MARYLAND, MD 147 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.	# 1 EACH EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH INTERSECTION	2002	2 C.Y.	TEST PIT EXCAVATION
CONTROLLER REQUIREMENTS	MONITOR HOUSED IN A NEMA SIZE TYPE '5' POLE MOUNTED CABINET	5005	20 L.F.	24 INCH HEAT APPLIED WHITE PERMANE
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER AT WOODSIDE AVENUE WILL BE USED.	9571 61 S.F. SHEET ALUMINUM SIGNS TO CONSIST OF:	8007	2 EACH	THERMOPLASTIC PAVEMENT MARKINGS AUDIBLE/TACTILE PEDESTRIAN PUSHBU
CONTROLLER REQUIREMENTS	O FACIL CION NOS E 8 C (O IN 40 IN) (BLACK ON WHITE)	8007	1 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE
INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A NEMA SIZE "G" POLE	- 2 EACH SIGN NOS. 5 & 6 (9 IN. × 12 IN.) (BLACK ON WHITE) - POLE MOUNT	8017	1 EACH	MAST ARM POLE & 70 FT MAST ARM ANY
MOUNTED CABINET.	- 2 EACH SIGN NOS. 7 & 8 (102 IN. × 42 IN.) (BLACK ON FLO. YELLOW) - MAST ARM MOUNT	8033	45 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP T
PHONE DROP	- MASI ARM MOUNI	8034	50 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP T
		8036	61 S.F.	INSTALL OVERHEAD OR GROUND MOUNTED
UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.		8037	20 S.F.	REMOVE-REINSTALL DECORATIVE BRICK
		8038	450 L.F.	NO. 6 AWG STRANDED BARE COPPER GROU
		8039	30 L.F.	1 INCH ELECTRICAL CONDUIT - GALVAN
		8042	1 EACH	ELECTRICAL UTILITY SERVICE EQUIPM
		8045	1 EACH	FURNISH AND INSTALL ELECTRICAL HAN
MAINTENANCE OF TRAFFIC		8050	4 EACH	12 INCH LED VEHICULAR TRAFFIC SIGN CUT, CLEAN, GALVANIZE AND CAP TRAF
THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.		8052 8054	2 EACH 265 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO
		8056	30 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO
STANDARD NO. MD-104.03-01 (SHOULDER WORK) STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)		8057	100 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO
STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)	EQUIPMENT LIST "C"	8061	2 EACH	PUSHBUTTON AND SIGN
	NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA	8064	1 EACH	INSTALL CONTROLLER AND CABINET - P
DDO IECT CONTACTS		NEG	2 EACH	SMART PED DETECTABLE WARNING SURF
PROJECT CONTACTS				
THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:				
MS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 321-2781/2785 MR. MIKE PASQUARIELLO ASST. DISTRICT UTILITY ENGINEER PHONE: (410) 321-2841		٠,		
		·		
MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 321-2761 MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630				
		:		
	PHASE CHART			
WIRING DIAGRAM				
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
√-F•G•L				
FG	NORMAL OPERATION DARK DARK DARK SPECIAL OPERATION FLY FLY FLY			
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WIDING WEV				
<u>WIRING'KEY</u>		·		
A 7-CONDUCTOR FLECTRICAL F 2-CONDUCTOR FLECTRICAL				STATE OF DEPARTMENT OF
A 7-CONDUCTOR ELECTRICAL F 2-CONDUCTOR ELECTRICAL B CABLE (NO. 14 A.W.G.) G CABLE (NO. 14 A.W.G.) H			*	STATE HIGHWAY OFFICE OF TRA
				TRAFFIC ENGINEERIN
C 5-CONDUCTOR ELECTRICAL STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)				MD 147 (HARFO GARNET ROAD
PE - PROPOSED OVERHEAD				
ELECTRICAL SERVICE PT - PROPOSED OVERHEAD		3		GENERAL INFOR
TELEPHONE SERVICE		n er		SCALE NONE ADVERTISED DATE
TELEPHONE SERVICE + - 3/4 IN. X 10 FT. GROUND ROD				DESIGNED BY S. Bloss
				DRAWN BY S. Bloss

DESCRIPTION ITEM NO. QUANTITY 2002 TEST PIT EXCAVATION 2 C.Y. 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS 5005 20 L.F. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS 8007 2 EACH 8008 1 EACH BREAKAWAY PEDESTAL POLE (ANY SIZE) MAST ARM POLE & 70 FT MAST ARM ANY 'T' DIMENSION 1 EACH 8017 SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED 8033 45 L.F. SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED 8034 50 L.F. INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE) 8036 61 S.F. REMOVE-REINSTALL DECORATIVE BRICK SIDEWALK 8037 20 S.F. 8038 450 L.F. NO. 6 AWG STRANDED BARE COPPER GROUND WIRE 1 INCH ELECTRICAL CONDUIT - GALVANIZED RISER 8039 30 L.F. 1 EACH ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240V, 60 AMPS 8042 8045 1 EACH FURNISH AND INSTALL ELECTRICAL HANDHOLE 4 EACH 12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION 8050 2 EACH CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE 8052 8054 265 L.F. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) 8056 30-L.F. ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) 8057 ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) 100 L.F. PUSHBUTTON AND SIGN 8061 2 EACH INSTALL CONTROLLER AND CABINET - POLE MOUNT 8064 1 EACH NEG SMART PED DETECTABLE WARNING SURFACE 2 EACH

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY

TRAFFIC ENGINEERING DESIGN DIVISION MD 147 (HARFORD ROAD) AND GARNET ROAD /POST OFFICE



GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE CONTRACT NO. XX4455185 DESIGNED BY S. Bloss COUNTY BALTIMORE LOGMILE 030014700.45 CHECKED BY N. Leary F.A.P. NO. SEE TITLE SHEET TS NO. 4695 DRAWING TSP-5 OF 5 SHEET NO. 5 OF 5

Engineers, Architects and Planners 801 South Caroline Street Baltimore, Maryland 21231 410-235-3450

Whitman, Requardt and Associates, LLP

PLOTTED: 10-23-2008 File: n:\31556-160\cadd\p\$G-N005_Gamet.dgn